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**UNITED STATES PATENT APPLICATION TRANSMITTAL FORM**

11000 U.S. PTO  
09/834667  
04/13/01

**BOX PATENT APPLICATION  
COMMISSIONER FOR PATENTS  
Washington, D.C. 20231**

Docket No.: 907.0007USU (SL-068)

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): **Richard B. Ertel, Tom R. Giallorenzi and Eric K. Hall**

For: **USE OF WIDE ELEMENT SPACING TO IMPROVE THE  
FLEXIBILITY OF A CIRCULAR BASESTATION ANTENNA  
ARRAY IN A SPACE DIVISION/MULTIPLE ACCESS  
SYNCHRONOUS CDMA COMMUNICATION SYSTEM**

Enclosed are:

XXX Specification (30 pps.) consisting of: Description (25 pps); Claims (4 pps); Abstract (1 pp);

XXX 5 sheets of drawings;

\_\_\_ Declaration and Power of Attorney;

\_\_\_ An assignment of the invention: **Assignee Name: L-3 Communications Corporation Assignee Residence: 600 3<sup>rd</sup> Avenue, New York, New York 10016**, will be filed in due course;

\_\_\_ Information Disclosure Statement (with copies of references);

\_\_\_ Form - PTO-1449;

\_\_\_ The undersigned attorney has verified that the application is entitled to a Small Entity Status; and

XXX Priority of U.S. Provisional Patent Application Serial No. 60/243,808, filed on October 27, 2000 is claimed under 35 U.S.C. §119(e);

\_\_\_ A Request and Certification under 35 U.S.C. 122(b)(2)(B)(i);

The Filing Fee is calculated below.

| CLAIMS AS FILED                 |                     |                     |             |                              |
|---------------------------------|---------------------|---------------------|-------------|------------------------------|
| (1)<br>For                      | (2)<br>Number Filed | (3)<br>Number Extra | (4)<br>Rate | (5)<br>Basic Fee<br>\$710.00 |
| Total Claims                    | 17 - 20 =           | 0                   | x \$18.00   | \$0.00                       |
| Independent<br>Claims           | 4 - 3 =             | 1                   | x \$80.00   | \$80.00                      |
| Multiple<br>Dependent Claim Fee |                     | x \$270.00 = \$0.00 |             |                              |
| <b>TOTAL FILING FEE</b>         |                     | <b>\$790.00</b>     |             |                              |

|                                 |        |
|---------------------------------|--------|
| 1/2 FILING FEE FOR SMALL ENTITY | \$0.00 |
|---------------------------------|--------|

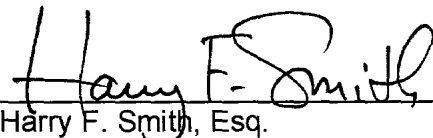
       No fee enclosed – filing by missing parts.

**XXX** A check in the amount of \$ 790.00 for the filing fee is enclosed.

**XXX** The Commissioner is hereby authorized to charge any additional fees under 37 C.F.R. §§1.16 and 1.17 which may be required with this communication or during the entire pendency of the application, or credit any overpayment, to **Deposit Account No. 01-0467**. A duplicate copy of this Form is enclosed.

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April 13, 2001  
Date of Signature

  
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**CERTIFICATE OF EXPRESS MAILING**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Certificate No. **EL754409415US**, service under 37 CFR §1.10 and is addressed to: Box Patent Application, Commissioner for Patents, Washington, D.C. 20231 on April 13, 2001.

Harry F. Smith  
(Typed name of person mailing paper)

  
(Signature of person mailing paper)